



For transporting infants

Ansats to be equipped with special modules

Kazan Helicopters (part of Russian Helicopters/Rostec) received a permission from the Russian Federal Air Transport Agency (Rosaviatsiya) to equip Ansat helicopters with a special module for transporting neonatal patients. This equipment can be used to provide evacuation and airborne medical care to infants.



Ansats equipped with the neonatal transport module passed whole range of necessary certification tests. During the ground testing stage, the certification team demonstrated the capabilities of

the model to conduct emergency evacuation of the crew, medical workers and a neonatal patient. Flight tests evaluated the performance of the module and verified its electromagnetic compatibility

with the standard equipment of the helicopter.

The new module was developed together with the Ural Optical and Mechanical Plant (part of Shvabe holding company) specifically for neonatal air transport. The manufacturer of the Ansat medical module, Kazan Aggregate Plant, developed a special platform for the incubator to replace the more traditional stretcher design. No redesign of the helicopter interior was required.

'The capability to install a neonatal medical module for Ansat had been in demand for a long time. Thanks to cooperation of Rostec holding companies and other partners, the helicopter now comes with upgraded equipment, allowing medical teams to continuously monitor the condition of a child, maintain the vital body functions and conduct intensive therapy during the flight,' said Managing Director of Kazan Helicopters Yuri Pustovogorov.

The incubator comes with a set of medical equipment, including an artificial lung venti-

lator, a monitoring unit, an aspirator, and an infusion pump. The neonatal module can be installed optionally on all Ansats equipped with base medical modules.

Ansats helicopters are used for rescue operations in various regions of Russia, the geography of their application is constantly expanding. The development program of the Russian air ambulance fleet has been in implementation since 2017 and is now part of the National Healthcare project.

Ansats is a light multipurpose twin-engine helicopter, serial production of which is deployed at Kazan Helicopters. According to the helicopter certificate, its design allows converting it into a cargo version or into a passenger rotorcraft that can lift up to seven people. In May 2015, a supplement to the type certificate for the modification of the helicopter with a medical module was obtained. Ansats is certified for use in the temperatures ranging between -45°C and +50°C, and in high mountains.

UAALF & CAAS 2021

2nd edition of Uzbekistan Airports Aviation Forum co-located with Central Asia Aerospace Summit

After the resounding success of the first edition of the Uzbekistan Airports Aviation Forum (UAALF), The second edition of UAALF co-located with The Central Asia Aerospace Summit (CAAS) will be organized on the 3rd and 4th of March 2021 at the Tashkent city congress hall.

Central Asia has been the rising star of the aerospace industry over the last decade bolstered by a natural strategic location and concerted efforts from operators and governments to foster the market. Central Asia's growth is fueled by passenger numbers and a clear movement of the global center of activity. The Central Asia Aerospace Summit (CAAS) co-located with the Uzbekistan Airports Aviation Forum taking place on 3rd and 4th of March at TASHKENT CITY CONGRESS HALL is the ideal location for the industry to take advantage

of the associated growth opportunities.

It is estimated by 2037, the Central Asia and Caucasus market will reach 501 million passengers achieved by a CAGR of 4.4%. Industry sources predict that by 2023 Central Asia based hubs will be in the top 15 Mega Aviation Cities, with Uzbekistan taking the top position.

To attain this status, the Uzbekistan is investing in infrastructure, a trend that is seen across the whole central Asia and Caucasus region. Reports suggest there were USD\$50 billion worth of aerospace invest-

ments underway in 2019; from new airports in Uzbekistan to upgrades in regions air traffic/security control systems.

As growth in passenger movements continues to grow across the Central Asia and Caucasus, increasingly technology has been implemented to manage the progression. It is not the only technology the Central Asian countries has implemented to manage passenger and traffic movements. They have invested in the Hub Monitor system to allow all departments involved in an aircraft's movement to track its progress and turn around.

'It is clear that the aerospace industry in the Uzbekistan and Central Asia is on the cusp of incredible growth. When you look at the potential for businesses, it's no wonder that next

year's 3rd and 4th of March 2021 UAALF Co-located with CAAS is expecting a large number of new exhibitors from around the world. The show really will be the best global platform for the aerospace industry, and business in the region places a premium on face to face networking, making UAALF/CAAS 2021 show a truly unmissable event.'

New exhibitors to the event will include technology and solutions focused companies ready to drive the industry forward. A total of 130 exhibitors are expected to the event, attracting up to 8000 trade attendees across the two days. 'The growth in representation from around the world demonstrates the interest from all sectors of the industry and global reach of UAALF Co-located with CAAS.

CHINAPLAS 2020

The plastic industry paving the way for rebound



The Chinese industries have been normalizing operations as the spread of the coronavirus was slowing down. Indeed, the plastics industry, among others, has to stay positive and prepare for the expected market rebound after the epidemic. As the leading industry trade show CHINAPLAS was confirmed to be rescheduled to early August, many of the exhibitors are already planning to strengthen their presence at the upcoming show. The official media of CHINAPLAS, CPRJ, has recently released the news about the resumption of operations and some exhibitors' responses.

A resumption rate exceeding 50%

Most provinces across China have returned to work after an extended holiday. The National Development and Reform Commission stated that in some major economic provinces such as Guangdong, Jiangsu, and Shanghai, the resumption rate of industrial enterprises above designated size exceeded 50%.

Large enterprises are relatively quick to resume work and production compared with small and medium-sized enterprises. Upstream industries and technology-intensive enterprises are faster than downstream industries and labor-intensive enterprises.

Meanwhile, governments at all levels have promulgated a number of policies to proactively coordinating the resumption of production and work of

enterprises, ensuring the stable economic development. For instance, Beijing has introduced comprehensive financial support measures, Shanghai has set up tax reduction and exemption targets, and Guangzhou has also launched work and production resumption policies.

LANXESS: The plastics industry may rebound quickly

Most of the production bases of LANXESS in China have resumed production since February 10 in accordance with the prevention and control actions of the Chinese central and local governments. Under the circumstances, LANXESS has been doing best to minimize the impacts of the coronavirus epidemic on the company and its business partners.

'At this point it is difficult to provide a reliable outlook into

the second half. We believe however that business may rebound quickly once the situation is controlled and are already planning accordingly,' Ulf Dressler Vice President, Corporate Communications APAC at LANXESS commented. LANXESS welcomes the decision to reschedule CHINAPLAS 2020, which is "in line with the company's policy to place the safety of its employees and business partners first".

Clariant: To showcase more applications for medical and protective products

Darren Soo, Head of Sales Asia Pacific at Clariant, said that the impacts of the epidemic on the plastics industry are heavy. Nevertheless, he agreed that huge consumer demands will be coming after the epidemic is over.

In addition to latest products such as halogen-free flame retardant and high performance additives, Darren Soo unveiled that Clariant will also showcase more applications for medical and protective products at CHINAPLAS 2020.

Clariant has approx. 1,400 employees across 16 locations in China. Since Clariant has no

production sites or offices in Wuhan or the Hubei province, there is no significant impact at this moment.

The company is strictly following the latest instructions from the Chinese government on both traveling and employment-related arrangements. It has installed a travel ban to Hubei Province in China. Furthermore, all global travel from and to China (including Hong Kong) was also banned.

JCTIMES: Innovative technologies and medical products the key trends

'According to the recent assessment, the lack of medical supplies such as masks and isolation clothing has been boosting the production capacity of the corresponding downstream breathable membranes and non-woven fabrics manufacturers,' Liang Bin, President of JCTIMES, said.

JCTIMES sold more than a dozen sets of breathable film die and meltblown non-woven die in the last few days. Liang Bin is optimistic about the market rebound. He believes that the medical industry will have huge potential after the coronavirus epidemic is over.

'For the plastics industry, as long as we continue to upgrade equipment and products and focus on services, the competition is ourselves,' he remarked. Expecting innovative technologies and medical products the key trends of the industry, JCTIMES will showcase more latest medical-related technologies and products at CHINAPLAS 2020.

Well-Lih: Medical consumables and packaging sectors to have 'significant growth'

Qiu Hongli, Chairman of Ningbo Well-Lih Robots Technology Co., Ltd. expressed his understanding

to the postponement of CHINAPLAS 2020.

He particularly mentioned that there will be a 'significant growth' in the medical consumables and packaging sectors after the epidemic is over. At the same time, the demands for automation and smart manufacturing will also increase.

Coperion Nanjing: The short-term difficulties will be resolved

CHINAPLAS is the only trade show that Coperion (Nanjing) Machinery Co., Ltd. joins every year. The Chinese operations for the extruder maker Coperion will have a booth area of 180sqm this year.

'Our main concern for the new show date is the high tem-

perature in August, which will be a challenge to the comfort of the exhibition halls. And it is relatively close to the 2021 show,' Joanne Shen, Managing Director of Coperion Nanjing commented.

During the epidemic, many of the company's customers have been actively participating in the production of medical supplies such as goggles and masks.

'The epidemic will pass anyway, and the short-term difficulties will be resolved,' she said. 'Local customers are well aware of the delay in delivery, and the project delivery time of large import equipment is not seriously affected. For export projects, we need to explain to overseas customers in more details.'



UFI Approved Event **Chinaplas 2020**

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SONGAR brand

Turkey's first national armed drone system

Songar, the first national armed drone system to be developed by ASISGUARD, has been delivered to the Turkish Armed Forces (TAF) after the successful completion of acceptance tests. Equipped with advanced features, Songar will undertake critical tasks in operations conducted by both TAF and the security forces.

Equipped with an automatic machine gun, Songar can carry out operations within a 3-kilometre radius. The system can transfer images in real time and carry 200 rounds of 5.56x45 mm NATO ammunition. The drone features a specially designed flexible ammunition feed chute (ammunition belt) and an automatic firing mechanism, and can operate at altitudes of 2,800 metres.

Stating that they have been working hard to develop the system solutions required by Turkey and the rest of the world, Ayhan Sunar, General Manager at ASISGUARD, underlined that the Songar system is currently unique, saying: 'As one of the most prominent drone systems in our product family, Songar can undertake many critical tasks, including locating the target area, eliminating the threat, transferring real-time images and carrying out post-operation damage assessment. It stands out as one of the leading national capabilities in asymmetric warfare as a result of its firing accuracy.'

Songar developed with unique systems

Launched for the first time at IDEF 19, Songar is undergoing continuous improvement through intensive efforts. It has achieved further success in field tests after the integration of a grenade launcher in place of the machine gun, and its firing

precision has been significantly improved with the inclusion of an 'Electronic Sight and Ballistic Calculation Module', specially designed by ASISGUARDTM. National and international patent applications have been made for Songar's unique stabilisation system.

ASISGUARDTM develops systems, subsystems, hardware and software in for military land vehicle electronics; autonomous micro, mini and medium-class UAVs; electro-optics; border security; artificial intelligence; and big data.

About Asis Elektronik

Operating in the Defence, Smart Cities, Financial Technologies and Cyber Security sectors, Asis Elektronik ve Bilişim Sistemleri A.Ş. is a Turkish company that operates with 100 percent domestic capital, and that manufactures all of its systems and equipment using its own resources. In 2017, the company underwent a restructuring in order to create added value within the defence, cyber security and financial technology sectors, taking advantage of its know-how and experience in the field of advanced technology.

In order to achieve its vision and targets, it launched the ASISGUARDTM registered trademark in the field of defence in 2018. In April 2019, it purchased 51 percent of the shares of ZEMANA, a company operating in the field of cyber secu-



Drone Strike Systems, Electro-Optical Imaging and Border Security Systems.

Using its in-house advanced technologies, Asis Elektronik is taking firm steps to become a global brand by combining its experience in 'Smart Technology Management' with the solutions it has developed in the fields of Defence, Cyber Security, City Technologies and Financial Technologies.

ASISGUARDTM develops system solutions, some of which are unique in Turkey, in the fields of Military Vehicle Electronics, Armed Drone Systems, Micro

